

(19) World Intellectual Property
Organization
International Bureau



70 JAN 23 2005

(43) International Publication Date
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/007112 A1

(51) International Patent Classification⁷: B22D 11/06,
11/128

(21) International Application Number:
PCT/EP2003/007301

(22) International Filing Date: 8 July 2003 (08.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2002A001509 10 July 2002 (10.07.2002) IT

(71) Applicant (for all designated States except US): DANIELI
& C. OFFICINE MECCANICHE S.P.A. [IT/IT]; Via
Nazionale, 41, I-33042 Buttrio (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): POLONI, Alfredo

[IT/IT]; Via G. Paolini, 29, I-34070 Fogliano Redipuglia
(IT). DE LUCA, Andrea [IT/IT]; Via Malignani, 13/6,
I-33047 Remanzacco (IT). KAPAJ, Nuredin [AL/IT]; Via
Caprera, 7, I-33100 Udine (IT). FAGGIANI, Edi [IT/IT];
Piazzale Cavedalis, 6/2, I-33100 Udine (IT).

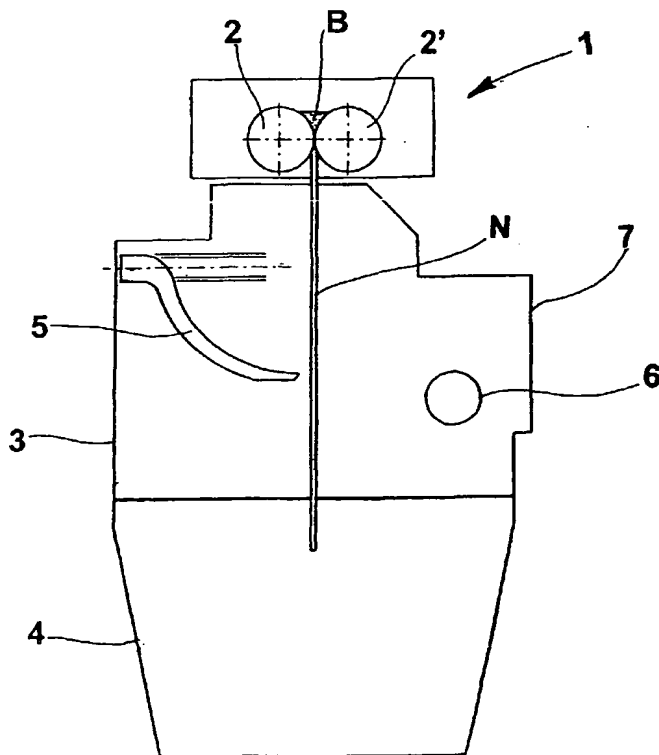
(74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi
S.p.A., Corso di Porta Vittoria, 9, I-20122 Milano (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: CONTINUOUS CASTING PLANT WITH A DEFLECTING DEVICE FOR METALLIC STRIPS AND DEFLECTING METHOD



(57) Abstract: A metallic strip mobile deflecting flap (5) of a metallic strip continuous casting plant is placed below the counter rotating roll ingot mould and deflects the initial section of the strip sending it horizontally towards the transport rolls (6). The device passes from a standby position, wherein it does not interfere with said metallic strip (N), and a position of interference with the metallic strip (N), wherein it deflects the strip in a horizontal direction. A method for deflecting the strip produced by continuous casting to a guided rolling pathway is also described.

WO 2004/007112 A1

BEST AVAILABLE COPY